

Appl. No. 10/813,851

Amdt. Dated May 8, 2006

Reply to Office Action of March 22, 2006

AMENDMENTS TO THE CLAIMS.

This listing of claims will replace all prior versions and listings of claims in the above-identified application:

1. (Currently Amended) A method for repairing a worn regulator valve that includes a housing having an initial passage of a first cross-sectional diameter, and an initial poppet, the initial poppet made of a first material and including at least a surface disposed within the initial passage, the surface having an initial diameter, the method comprising the steps of:

removing the initial poppet from the housing;

boring the initial passage so as to create an enlarged passage of a second cross-sectional diameter that is greater in magnitude than the first cross-sectional diameter; and

providing a replacement poppet made of a second material, the replacement poppet including at least a surface having a diameter that is greater than the initial diameter and configured to fit slidably within the enlarged passage and wherein at least the replacement poppet surface and the enlarged passage fit so as to restrict airflow.

2. (Cancelled).

3. (Previously Presented) The method according to claim 1 wherein the replacement poppet includes a second surface in contact with the enlarged passage.

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4. (Currently Amended) The method according to claim 1 wherein the replacement poppet comprises stainless steel.

5. (Previously Presented) The method according to claim 3 wherein the replacement poppet further comprises a tapered regulator disposed between the surfaces with an angle of between about 6.5° and about 7.5° relative to a central axis of the replacement poppet.

6 – 20. (Cancelled).

21. (Previously Presented) The method of Claim 5, wherein the replacement poppet and the tapered regulator are machined from a unitary piece.